1 / 1 JAPIO - ©JPO - image Patent number : JP 61233214 A 19861017 [JP61233214] Title : TORQUE ROD Inventor(s) : CHIJIMA KAZUO; HONDA TETSUO Patent Assignee : MITSUBISHI STEEL MFG CO LTD Application Details : JP07113385 19850405 [1985JP-0071133] Main Int. Class : F16C-007/00 Secondary Int. Class : B60G-007/00 F16F-015/08 Abstract :

PURPOSE: To reduce the manufacturing cost of torque rod by integrally forming eye sections of specific inner diameter at the opposite end sections of a steel plate then pressure inserting rubber bushes into respective eye section.

CONSTITUTION: Eye sections 2 having desired inner diameter are formed at the opposite end sections of a steel plate 1. A restricting jig 6 having an opening of funnel type cross-section is arranged on the small diameter section at the end of the inner diameter section of the eye section 2. Furthermore, a rubber bush 7 is placed at the large diameter section at the outside of said jig 6 then pressure inserted into the inner diameter of the eye section 2 to squeeze the rubber bush 7 while to joint firmly against the inner face of the eye section 2. With such structure, the manufacturing cost of torque rod can be reduced. COPYRIGHT: (C)1986, JPO&Japio

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PN - JP61233214 A 19861017

TI - TORQUE ROD

 PURPOSE:To reduce the manufacturing cost of torque rod by integrally forming eye sections of specific inner diameter at the opposite end sections of a steel plate then pressure inserting rubber bushes into respective eye section.

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- F16C7/00 ;B60G7/00 ;F16F15/08

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GR - M569

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(3)ゴム・ブシュは、その目玉部の内径部への圧 入時に絞りを与えられるので、従来は必要とされ ていた絞り工程を省略することができ、これによっ ても、製造価格を低廉とさせるることができること

(4)素材の本体である軸部は、両方の目玉部の間に配置された鋼補強材の形状及び寸法などを適当に選択することにより、その座屈剛性を容易に変更させることができること

## 4. 図面の簡単な説明

第1図は、本発明において使用される主材料である鋼板材を示す斜視図、第2図は、その両端部に目 玉部を形成した状態において示す斜視図、第3図は、 目玉部と素材との間における溶接部を示す拡大正 面図、第4図は、第2図に示す中間製品に鋼補強材を 取り付けた状態において示す正面図、第5図は、第4 図のV-V線による断面図、第6図は、第4図に示す中 間製品にゴム・ブシュを圧入する状態を示す一部 切断側面図、外7図は、完成品を示す料視図である。 1…楽材、2…目玉部、3,5…溶接部、4…補強材、 7…ゴム・ブシュ。

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